

ASBESTOS ASSESSMENT SURVEY

H-K Building 08
 Project Number: 0980193E
 Project: G. HEILEMAN BREWERY "E"
 Date Inspected: 03/23/89
 Inspector: TIM SWARTZ

Building Number: 08
 Building Name: LABS/STORAGE
 SEATTLE, WASHINGTON
 Building Type: LAB/STRG
 Year Constructed: UNKN

*****	AREA NUMBER: 01	AREA DESCRIPTION: 1st Floor	AREA AVERAGE % ASBESTOS: 23%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&H CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
southwest corner	00-356526	6%	wrapped cardboard/paper pipe	OMA	10 ft.	4 in. O.D.	DW	28	III	\$89	\$56	\$145
SW & west center area-near ceiling	00-356530	40%	pipe covering	OMA	95 ft.	8 in. O.D.	HPS/R	28	III	\$1,344	\$960	\$2,304
SW & west center area-near ceiling	00-356530	40%	pipe covering	OMA	15 ft.	6 in. O.D.	HPS/R	28	III	\$195	\$122	\$317
SW & west center area-near ceiling	00-356530	40%	pipe covering	OMA	130 ft.	4 in. O.D.	HPS/R	28	III	\$1,160	\$725	\$1,885
east wall-above carbon dioxide tank	00-356530	40%	pipe covering	OMA	22 ft.	4 in. O.D.	HPS/R	28	III	\$196	\$123	\$319
north end of room	00-356530	40%	pipe covering	OMA	35 ft.	8 in. O.D.	HPS/R	28	III	\$495	\$354	\$849
north end of room	00-356530	40%	pipe covering	OMA	70 ft.	4 in. O.D.	HPS/R	28	III	\$624	\$391	\$1,015
carbon dioxide tank-north center area	06-356523	2%	boiler/tank insulation	OMB	1010	sq.ft.		28	III	\$28,533	\$22,856	\$51,389
	06-356524	0%						28	III			
	06-356525	0%						28	III			
southwest corner	07-356527	50%	mjp on wrapped cardboard/paper	OMA	3	4 in. O.D.	DW	28	III	\$84	\$47	\$131
	07-356528	50%						28	III			
	07-356529	60%						28	III			
east wall-above carbon dioxide tank	08-356531	0%	mjp on pipe covering	OMA	3	4 in. O.D.	HPS/R	28	III	\$84	\$47	\$131
SW & west center area-near ceiling	08-356531	0%	mjp on pipe covering	OMA	4	4 in. O.D.	HPS/R	28	III	\$112	\$62	\$174
SW & west center area-near ceiling	08-356531	0%	mjp on pipe covering	OMA	6	6 in. O.D.	HPS/R	28	III	\$232	\$136	\$368
north end of room	08-356531	0%	mjp on pipe covering	OMA	14	4 in. O.D.	HPS/R	28	III	\$393	\$219	\$612
north end of room	08-356531	0%	mjp on pipe covering	OMA	8	8 in. O.D.	HPS/R	28	III	\$385	\$226	\$611
SW & west center area-near ceiling	08-356531	0%	mjp on pipe covering	OMA	2	8 in. O.D.	HPS/R	28	III	\$96	\$57	\$153
	08-356532	45%						28	III			
	08-356533	0%						28	III			
SW & west center area-near ceiling	09-356534	40%	mjp on non-suspect pipe cover	OMA	6	6 in. O.D.	DW	28	III	\$232	\$136	\$368
north end of room	09-356534	40%	mjp on non-suspect pipe cover	OMA	4	4 in. O.D.	DW	28	III	\$112	\$62	\$174
north end of room	09-356534	40%	mjp on non-suspect pipe cover	OMA	8	6 in. O.D.	DW	28	III	\$309	\$182	\$491
	09-356535	0%						28	III			
	09-356536	0%						28	III			

AREA COMMENTS:

The materials are in good condition with limited contact damage. The materials are approximately 1' to 12' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, extensive gross removal procedures are recommended. This appears to be a high traffic area.

AREA # 01 TOTAL \$34,675 \$26,761 \$61,436

*****	AREA NUMBER: 02	AREA DESCRIPTION: 2nd Floor	AREA AVERAGE % ASBESTOS: 39%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&H CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
E & lamp storage rooms-along west wall	00-356506	15%	wrapped cardboard/paper pipe	OMA	40 ft.	4 in. O.D.	HPS/R	28	III	\$357	\$223	\$580

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NW area-SE from elevator-by column	00-356510	0%	wrapped cardboard/paper pipe	OHA	7 ft. 4 in. O.D.	DW						
northwest area-by elevator	00-356511	45%	pipe covering	OHA	26 ft. 4 in. O.D.	HPS/R	28	III	\$232	\$145	\$377	
E & lamp storage rooms-along west wall	02-356507	50%	mjp on wrapped cardboard/paper	OHA	4 4 in. O.D.	HPS/R	28	III	\$112	\$62	\$174	
	02-356508	40%					28	III				
	02-356509	50%					28	III				
northwest area-by elevator	03-356512	50%	mjp on pipe covering	OHA	4 4 in. O.D.	HPS/R	28	III	\$112	\$62	\$174	
	03-356513	50%					28	III				
	03-356514	50%					28	III				

AREA COMMENTS

AREA # 02 TOTAL \$813 \$492 \$1,305

The materials are in fair to good condition with contact and water damage. The materials are approximately 1' to 9' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

*****	AREA NUMBER: 03	AREA DESCRIPTION: 2nd Floor-Ceiling	AREA AVERAGE % ASBESTOS: 6%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
orientation room	01-356503	6%	sprayed acoustical plaster	OMD	420 sq.ft.			50	II	\$4,561	\$911	\$5,472
	01-356504	8%						50	II			
	01-356505	4%						50	II			

AREA COMMENTS

AREA # 03 TOTAL \$4,561 \$911 \$5,472

The material is in good condition with no apparent contact or water damage. The material is approximately 9' from the floor. At a minimum, it is recommended that the material be encapsulated and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

*****	AREA NUMBER: 04	AREA DESCRIPTION: 3rd Floor	AREA AVERAGE % ASBESTOS: 41%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
center concrete column-at north end	00-356515	0%	wrapped cardboard/paper pipe	OHA	4 ft. 4 in. O.D.	DW						
north area-near ceiling	00-356516	55%	pipe covering	OHA	60 ft. 4 in. O.D.	HPS/R	26	III		\$535	\$335	\$870
north central storage room	00-356516	55%	pipe covering	OHA	12 ft. 4 in. O.D.	HPS/R	26	III		\$107	\$67	\$174
west side-near ceiling	00-356516	55%	pipe covering	OHA	205 ft. 4 in. O.D.	HPS/R	26	III		\$1,829	\$1,144	\$2,973
west side-near ceiling	04-356517	50%	mjp on pipe covering	OHA	27 4 in. O.D.	HPS/R	26	III		\$758	\$421	\$1,179
north central storage room	04-356517	50%	mjp on pipe covering	OHA	5 4 in. O.D.	HPS/R	26	III		\$140	\$78	\$218
north area-near ceiling	04-356517	50%	mjp on pipe covering	OHA	20 4 in. O.D.	HPS/R	26	III		\$562	\$312	\$874
	04-356518	55%						26	III			
	04-356519	50%						26	III			

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E center & southeast areas-near ceiling	05-356520	30%	mjp on non-suspect pipe cover	OHA	16 4 in. O.D.	HPS/R	26 III	\$449	\$250	\$699
north area-near ceiling	05-356520	30%	mjp on non-suspect pipe cover	OHA	12 4 in. O.D.	HPS/R	26 III	\$337	\$187	\$524
	05-356521	20%					26 III			
	05-356522	30%					26 III			

AREA COMMENTS

AREA # 04 TOTAL \$4,717 \$2,794 \$7,511

The materials are in fair to good condition with minor contact and water damage. The materials are approximately 1' to 8' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, extensive gross removal procedures are recommended. This appears to be a high traffic area.

*****	AREA NUMBER: 05	AREA DESCRIPTION: 4th Floor	AREA AVERAGE % ASBESTOS: 31%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
lounge in SE area-at N end-by AHU	00-356537	40%	pipe covering	OHA	38 ft. 4 in.	O.D.	HPS/R	27 III	\$339	\$212	\$551
E office-janitor's closet-E center area	00-356537	40%	pipe covering	OHA	10 ft. 4 in.	O.D.	HPS/R	27 III	\$89	\$56	\$145
E office-janitor's closet-E center area	10-356538	20%	mjp on non-suspect pipe cover	OHA	1 4 in.	O.D.	HPS/R	27 III	\$28	\$16	\$44
	10-356539	25%						27 III			
	10-356540	20%						27 III			
lounge in SE area-at N end-by AHU	11-356541	50%	mjp on pipe covering	OHA	12 4 in.	O.D.	HPS/R	27 III	\$337	\$187	\$524
	11-356542	20%						27 III			
	11-356543	30%						27 III			

AREA COMMENTS

AREA # 05 TOTAL \$793 \$471 \$1,264

The materials are in good condition with minor contact and water damage. The materials are approximately 1' to 8' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a low traffic area.

*****	AREA NUMBER: 06	AREA DESCRIPTION: 4th Floor-Ceilings	AREA AVERAGE % ASBESTOS: 0%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
assistant brewmaster's office & entrance	12-356544	0%	drop or lay-in panel	ONG	150 sq.ft.						
brewmaster's office	12-356544	0%	drop or lay-in panel	ONG	400 sq.ft.						
exercise room in south center area	12-356544	0%	drop or lay-in panel	ONG	200 sq.ft.						
	12-356545	0%									
	12-356546	0%									
laboratories on west side	13-356547	0%	drop or lay-in panel	ONG	1300 sq.ft.						
	13-356548	0%									

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lounge in southeast area	13-356549	0%	acoustical tile	OMG	200 sq.ft.	
	14-356550	0%				
	14-356551	0%				
	14-356552	0%				
E ofc area-all rooms except brewmaster's	15-356553	0%	acoustical tile	OMG	2700 sq.ft.	
	15-356554	0%				
	15-356555	0%				

AREA COMMENTS

AREA # 06 TOTAL \$0 \$0 \$0

*****	AREA NUMBER: 07	AREA DESCRIPTION: 4th Floor-Above Drop Ceilings	AREA AVERAGE % ASBESTOS: 0%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
assistant brewmaster's office & entrance exercise room in south center area	14-356550	0%	acoustical tile	OMG	230	sq.ft.						
	14-356550	0%	acoustical tile	OMG	200	sq.ft.						
	14-356551	0%										
	14-356552	0%										

AREA COMMENTS

AREA # 07 TOTAL \$0 \$0 \$0

BUILDING # 08 TOTAL \$45,559 \$31,429 \$76,988